



Figure S2: Gene copy numbers as a function of the doubling time. (a) Copy numbers of *ori* and *ter* averaged over the cycle, $S_{ori}(T)$ and $S_{ter}(T)$, and the number of gene copies averaged over all genome loci and over cell cycle, $S(T)$, as a function of doubling time T . Approximate values $S_{ori,appr}$ and S_{appr} (dashed lines) are calculated based on S_{ter} and the formula (4) describing approximate expression of a gene localized in L_i . (b) Ratio of mean copy number of *ori* and *ter* in the model compared to approximated ratio based on the formula (4)